

## **ABSTRACT**

Compositions for the diagnosis and therapy of prostate and colon cancer, derived from or based on a novel prostate-specific, androgen-regulated, cell surface serine protease termed 20P1F12/TMPRSS2 are described. A full length cDNA comprising the entire coding sequence of the 20P1F12/TMPRSS2 gene (also designated 20P1F12-GTC1 herein) is provided (FIG. 1). Among the compositions provides are antibodies that bind to 20P1F12/TMPRSS2 proteins and polypeptide fragments thereof, including antibodies labeled with a detectable marker or toxin or therapeutic composition. Several monoclonal antibodies specifically reactive with 20P1F12/TMPRSS2 are also described herein.